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includes an input/output terminal 304 connected to one end of the bi-directional line 402; a data receiver 406 having an input coupled to a second end of the bi-directional line 402 for receiving data on the terminal 404; an data driver 408 having an output coupled to second end of the bi-directional line 402 for producing data on the terminal 404; an XOR gate 410 having a pair of inputs, one being coupled to an input of the data driver 408 and the other being coupled to an output of the data receiver 408, for determining whether data produced by the data driver is received by the data receiver.

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